

SAFETY DATA SHEET



Product name:	AP-A, AP-D Powder	Page:	1/8
Revision Date:	2018-11-14	Print date:	2018-11-14
Document No.:	M0123	SDS-ID:	AU-EN/17.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: AP-A, AP-D Powder
Cat. No. 40700047, 40700048, 40700049, 40700038, 40700039, 40700040, 40700041

CAS-No.: 1344-28-1
EC No.: 215-691-6 (*)
REACH Reg. No.: 01-2119529248-35-0141 (*)
Container size: 1 kg

Relevant identified uses of the substance or mixture and uses advised against

Application: For polishing of materialographic specimens. (*)

Details of the supplier of the safety data sheet

Supplier: Struers Australia
27 Mayneview Street
Milton QLD 4064, Australia

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI
Any questions to the contents of this safety data sheet should be sent to: struers@struers.dk

Emergency telephone number

Australian Poisons Information Centre: 13 11 26.

+61 7 3512 9600
(Only during office hours)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

WHS: The product is not classified.

Label elements

The substance/mixture does not meet the criteria for classification of the Model Work Health and Safety Regulations and the SDS contains all the information required by the WHS Regulations.

Other hazards

Dust may irritate the eyes and the respiratory system.

PBT/vPvB: No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

The product contains: abrasive.

SAFETY DATA SHEET

Product name:	AP-A, AP-D Powder	Page:	2/8
Revision Date:	2018-11-14	Print date:	2018-11-14
Document No.:	M0123	SDS-ID:	AU-EN/17.0

WHS:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
100	1344-28-1	215-691-6	01-2119529248-35-0141	Aluminium oxide	-	

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation: If uncomfortable during dust-raising work: Move into fresh air and keep at rest.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: No specific precautions.

Special hazards arising from the substance or mixture

Specific hazards: No specific precautions.

Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SAFETY DATA SHEET

Product name:	AP-A, AP-D Powder	Page:	3/8
Revision Date:	2018-11-14	Print date:	2018-11-14
Document No.:	M0123	SDS-ID:	AU-EN/17.0

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Protective equipment: Avoid inhalation of dust. For personal protection, see section 8. (*)

Emergency procedures: No specific recommendations. For personal protection, see section 8. (*)

Environmental precautions

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Spill Cleanup Methods: Collect spillage with shovel, broom or the like.

Reference to other sections

References: For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice: Avoid inhalation of dust. Avoid contact with skin and eyes. Avoid spreading dust. Observe good chemical hygiene practices.

Technical measures: Work practice should minimise contact.

Technical precautions: Local exhaust is recommended.

Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in closed original container in a dry place.

Specific end use(s)

Specific use(s): No information available.

SAFETY DATA SHEET

Product name:	AP-A, AP-D Powder	Page:	4/8
Revision Date:	2018-11-14	Print date:	2018-11-14
Document No.:	M0123	SDS-ID:	AU-EN/17.0

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
1344-28-1	Aluminium oxide (inhalable dust)	-	10 mg/m3	TWA	-	NOHSC

Exposure controls

Engineering measures: Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust. Local exhaust is recommended.

Personal protection: Personal protection equipment should be chosen according to relevant AS/NZS standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: During dust-raising work: Use respiratory equipment with particle filter, type P2.

Hand protection: No special precautions.

Eye protection: During dust-raising work: Wear goggles/face shield.

Skin protection: No special precautions.

Environmental Exposure Controls: Not available.

SAFETY DATA SHEET

Product name: AP-A, AP-D Powder
Revision Date: 2018-11-14
Document No.: M0123

Page: 5/8
Print date: 2018-11-14
SDS-ID: AU-EN/17.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

(*)

<u>Form:</u>	Powder.
<u>Colour:</u>	White.
<u>Odour:</u>	Odourless.
<u>Odour threshold:</u>	Not available.
<u>pH:</u>	Not available.
<u>Melting point:</u>	2040°C / 3704°F
<u>Boiling point:</u>	Not available.
<u>Flash point:</u>	Not applicable.
<u>Evaporation rate:</u>	Not available.
<u>Flammability (solid, gas):</u>	This product is not flammable.
<u>Explosion limits:</u>	Not applicable.
<u>Vapour pressure:</u>	Not applicable.
<u>Vapour density:</u>	Not applicable.
<u>Relative density:</u>	3.97 (20°C)
<u>Solubility:</u>	insoluble in water
<u>Partition coefficient (n-octanol/water):</u>	Not available.
<u>Auto-ignition temperature (°C):</u>	Not available.
<u>Decomposition temperature (°C):</u>	Not available.
<u>Viscosity:</u>	Not available.
<u>Explosive properties:</u>	Not considered to be explosive.
<u>Oxidising properties:</u>	Not applicable.
<u>Other information</u>	
<u>Other data:</u>	Volatile Organic Compound (VOC): 0 g/l

SAFETY DATA SHEET

Product name:	AP-A, AP-D Powder	Page:	6/8
Revision Date:	2018-11-14	Print date:	2018-11-14
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SECTION 10: STABILITY AND REACTIVITY

Reactivity

Reactivity: None under normal conditions.

Chemical stability

Stability: Stable under normal temperature conditions.

Possibility of hazardous reactions

Hazardous Reactions: None under normal conditions.

Conditions to avoid

Conditions/materials to avoid: None specific.

Incompatible materials

Incompatible materials: No information available.

Hazardous decomposition products

Hazardous decomposition products: None in particular.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.
National Toxicology Program (NTP): No.
I.A.R.C. Monographs: No.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: Dust may irritate throat and respiratory system and cause coughing.

Skin contact: Prolonged contact may cause redness and irritation.

Eye contact: Dust in the eyes will cause irritation.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

Specific effects: Risk of long-term effects is expected to be minimal from occupational exposure.

SAFETY DATA SHEET

Product name:	AP-A, AP-D Powder	Page:	7/8
Revision Date:	2018-11-14	Print date:	2018-11-14
Document No.:	M0123	SDS-ID:	AU-EN/17.0

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity: The environmental hazard of the product is considered to be limited.

Persistence and degradability

Degradability: The degradability of the product has not been stated.

Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

Mobility in soil

Mobility: No data available.

Results of PBT and vPvB assessment

PBT/vPvB: No information available.

Other adverse effects

Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADG).

UN number

UN-No: -

UN proper shipping name

Proper Shipping Name: -

Transport hazard class(es)

Class: -

Packing group

PG: -

Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

Special precautions for user

Special precautions: None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk: Not relevant.

SAFETY DATA SHEET

Product name:	AP-A, AP-D Powder	Page:	8/8
Revision Date:	2018-11-14	Print date:	2018-11-14
Document No.:	M0123	SDS-ID:	AU-EN/17.0

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: AICS: Listed.

National regulation: Work Health and Safety Regulations 2011, with amendments.
National model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2011), with amendments.
National model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (2011), with amendments.
Workplace exposure standards for airborne contaminants (2018).
The Industrial Chemicals (Notification and Assessment) Act 1989, as amended.

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 6, 9.

The (*) indicates the changes made with respect to the previous version.

Approved by DHI.



Additional information: Classification according to WHS Regulations 2011:
Calculation method.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.
